

Clustering of PVH neuron functional responses measured by CaRMA imaging

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 An abbreviated version of this protocol was published in Science in Oct 2020
Behavioral state coding by molecularly defined paraventricular hypothalamic cell type ensembles
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Detailed protocol

To show how to functionally cluster the PVH neurons using their responses, we added an example dataset and some codes into our CaRMA imaging GitHub repository: https://github.com/Saintgene-Xu/CaRMA-imaging/tree/master/Function_Clustering.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Xu, S. , Yang, H. and Sternson, S. (2022). Clustering of PVH neuron functional responses measured by CaRMA imaging. Bio-protocol Preprint. [bio-protocol.org/prep1614](https://doi.org/10.1101/2022.04.11.483161).
2. Xu, S., Yang, H., Menon, V., Lemire, A. L., Wang, L., Henry, F. E., Turaga, S. C. and Sternson, S. M.(2020). Behavioral state coding by molecularly defined paraventricular hypothalamic cell type ensembles . Science 370(6514). DOI: [10.1126/science.abb2494](https://doi.org/10.1126/science.abb2494)

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